



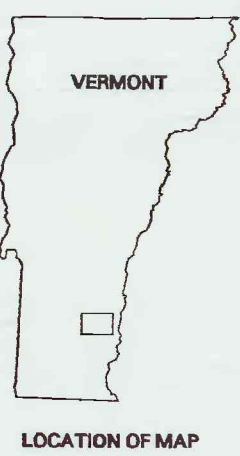
Explanation of Map Symbols

- Foliation (Schistosity)
- Strike and dip of inclined foliation on interpretive form-lines
 - Strike and dip of vertical foliation on interpretive form-lines
- Cleavage
- Strike and dip of inclined cleavage
 - Strike and dip of vertical cleavage
- Thrust Faults
- Thrust fault, teeth on upper plate
- Quarries and Mines
- sp Soapstone
 - tdc Talc
 - serp Serpentine
 - ds Dimension Stone
 - aq Active quarry
 - iq Inactive quarry

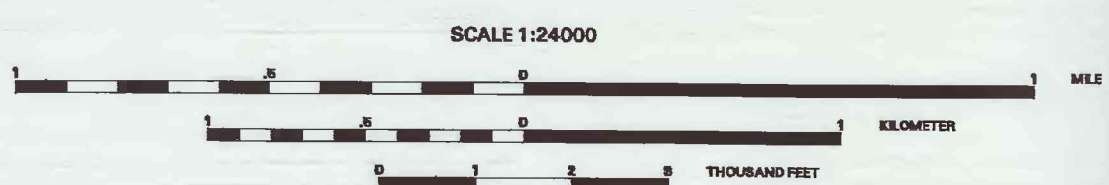
Plates 1 and 2 are a paper representation of the digital bedrock geologic information for the Saxtons River 7.5 x 15 minute Quadrangle located in Windham and Windsor counties, Vermont. Plates 1 and 2 are part A and the database is part B of this Open-File Report. All of the bedrock geology data were obtained from Ratcliffe and Armstrong (1995), and were digitally compiled on a personal computer system using PC ARC/INFO version 3.40 Plus by Environmental Systems Research Institute, Inc.. The data shown on Plate 1 were exported to ARC/INFO version 7.0.3 where solid color fill patterns were generated, and faults were drawn using symbols from a forest (arcnew61.lyr) from ALACARTE software (Fitzgibbon and Wentworth, 1991). The compilation procedures discussed in Welsh and others (1994) were used in the preparation of this report, with the exception of the topography. The topography was obtained from a photographic negative separate of contour lines from the Saxtons River, VT (1984 edition) U.S.G.S. 7.5 x 15 minute topographic quadrangle. The topographic separate was scanned on an IDEAL FSS 8000 raster format scanner. The raster image was vectorized using GTX DSR Contour version 2.00 by GTX Corporation, Inc., and converted into an unattributed line coverage in ARC/INFO version 7.0.

These plates are derivative products and should not serve as the primary source for the complete geologic information for this area; the correct reference should be number 2 below:

1. Fitzgibbon, T.T., and Wentworth, C.M., 1991, ALACARTE user interface: AML code and demonstration maps, Version 1.0; U.S. Geological Survey Open-File Report 91-587.
2. Ratcliffe, N.M., and Armstrong, T.R., 1995, Preliminary bedrock geologic map of the Saxtons River 7.5 x 15 minute Quadrangle, Windham and Windsor counties, Vermont: U.S. Geological Survey Open-File Report 95-482, scale 1:24000.
3. Welsh, G.J., Ratcliffe, N.M., Dudley, J.B., and Merrifield, T., 1994, Digital bedrock geologic map of the Mount Holly and Ludlow quadrangles, Vermont: U.S. Geological Survey Open-File Report 94-229, scale 1:24000.



Topography from the Saxtons River, VT quadrangle (1984 edition)
Contour interval 6 meters
Map projection is polyconic
Digital map units in State Plane Coordinate System
National Geodetic Horizontal Datum of 1927
Roads from the Vermont Center for Geographic Information, Inc.



AFFILIATIONS:
U.S. Geological Survey
Reston, Virginia 22092
Vermont Agency of Natural Resources,
Vermont Geological Survey,
Office of Information Management Services,
Waterbury, Vermont 05671

Digital Bedrock Geologic Map of the
Saxtons River 7.5 x 15 Minute Quadrangle, Vermont
by
N.M. Ratcliffe¹ and T.R. Armstrong¹
1996

MN N
Approximate Mean Declination
15° West, 1984

Geology mapped by Ratcliffe 1980-94 and
Armstrong 1993-94; assisted by Gregory Welsh¹ 1993-94.
Digitized by Welsh and Thomas Merrifield².

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editing standards for the North American Stratigraphic Code. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Government.
This report is available from the Vermont Geological Survey, Waterbury, Vermont. Telephone (802) 541-3481.